

## Connection Configuration

	Connection configuration using the maximum length of Camera Cables	Remarks
Configuration 1		
Configuration 2		
Configuration 3		
Configuration 4		

\*4 Select the Camera Cables between the Controller and Extension Unit, between the Extension Units, and between the Extension Unit and Camera according to the connected Camera.  
Different types or lengths of Camera Cables can be used for (1), (2), and (3) as well as for (4), (5), and (6). However, the type and length of Camera Cable (1) must be the same as those of Camera Cable (4), (2) must be the same as (5), and (3) must be the same as (6).

## Monitor

Item	Descriptions	Model
	Touch Panel Monitor 12.1 inches For FH Sensor Controllers *	FH-MT12
	LCD Monitor 8.4 inches	FZ-M08

\* FH Series Sensor Controllers version 5.32 or higher is required.

## Monitor Cables

Item	Descriptions	Model
	DVI-Analog Conversion Cable for Touch Panel Monitor/LCD Monitor Cable length: 2 m, 5 m or 10 m	FH-VMDA □□ *1
	RS-232C Cable for Touch Panel Monitor Cable length: 2 m, 5 m or 10 m	XW2Z-□□□PP-1 *2
	USB Cable for Touch Panel Monitor Cable length: 2 m or 5 m	FH-VUAB □□ *1

\*1 Insert the cables length into □ in the model number as follows. 2 m = 2, 5 m = 5, 10 m = 10

\*2 Insert the cables length into □□□ in the model number as follows. 2 m = 200, 5 m = 500, 10 m = 010.

A video signal cable and an operation signal cable are required to connect the Touch Panel Monitor.

Signal	Cable	2 m	5 m	10 m
Video signal	DVI-Analog Conversion Cable	Yes	Yes	Yes
Touch panel operation signal	USB Cable	Yes	Yes	No
	RS-232C Cable	Yes	Yes	Yes

## Parallel I/O Cables/Encoder Cable

Item	Descriptions	Model
	Parallel I/O Cable *1 Cable length: 2m, 5m or 15m	XW2Z-S013-□ *2
	Parallel I/O Cable for Connector-terminal Conversion Unit *1 Cable length: 0.5 m, 1 m, 1.5 m, 2 m, 3 m, 5 m Connector-Terminal Block Conversion Units can be connected (Terminal Blocks Recommended Products: OMRON XW2R-□34G-T)	XW2Z-□□□EE *3
	Connector-Terminal Block Conversion Units, General-purpose devices	XW2R-□34GD-T *4
	Encoder Cable for line-driver Cable length: 1.5 m	FH-VR 1.5M

\*1 2 Cables are required for all I/O signals.

\*2 Insert the cables length into □ in the model number as follows. 2 m = 2, 5 m = 5, 15 m = 15

\*3 Insert the cables length into □□□ in the model number as follows. 0.5 m = 050, 1 m = 100, 1.5 m = 150, 2 m = 200, 3 m = 300, 5 m = 500

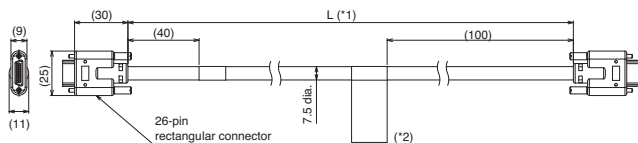
\*4 Insert the wiring method into □ in the model number as follows. Phillips screw = J, Slotted screw (rise up) = E, Push-in spring = P  
Refer to the XW2R Series catalog (Cat. No. G077) for details.

## Cables

### Camera Cable

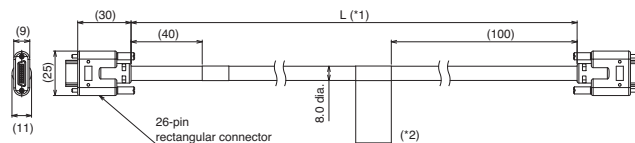
Camera Cable

FZ-VS3



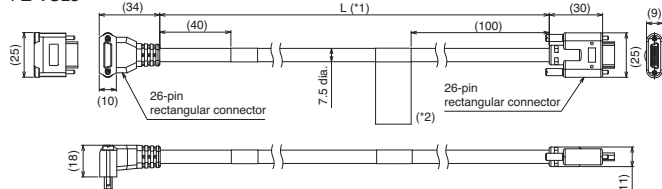
### Bend resistant Camera Cable

FZ-VSB3



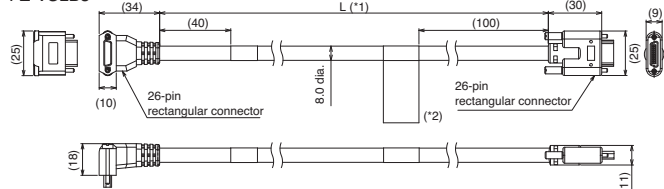
### Right-angle Camera Cable

FZ-VSL3



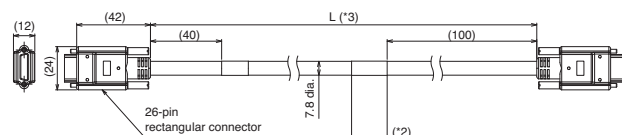
### Bend resistant Right-angle Camera Cable

FZ-VSLB3



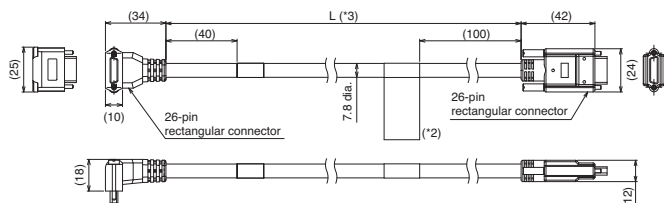
### Long-distance Camera Cable

FZ-VS4



### Long-distance Right-angle Camera Cable

FZ-VSL4



\*1. Cable is available in 2m/3m/5m/10m.

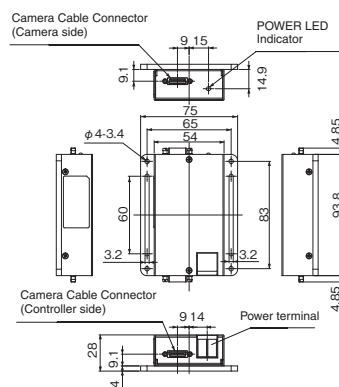
\*2. Each camera cables has polarity.

Please ensure that the name plate side of the cable is connected to the controller.

\*3. Cable is available in 15m.

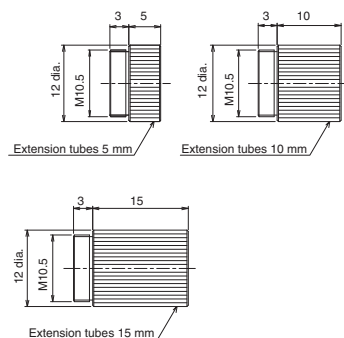
## Camera Cable Extension Unit

FZ-VSJ



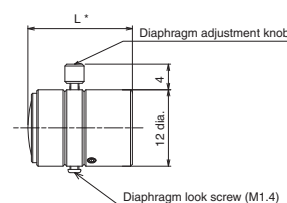
## Extension Tubes for Small Camera

FZ-LESR



## Lens for Small Camera

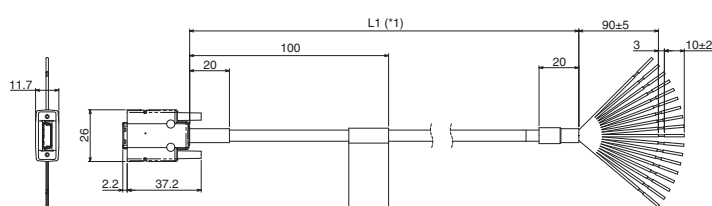
FZ-LES Series



\* Overall length is available in 16.4mm/19.7mm/23.1mm/25.5mm.

## Encoder Cable

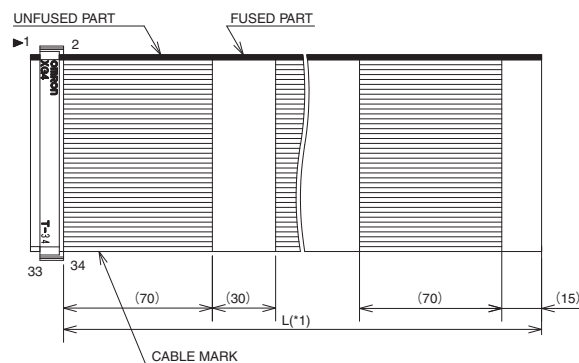
FH-VR



\*1. Cable is available in 1.5 m.

## Parallel I/O Cable

XW2Z-S013-□



\*1. Cable is available in 2m/5m.